



United States
Environmental Protection
Agency

EPA530-R-07-001
April 2007

National Priority Chemicals Trends Report (2000-2004)

Table of Contents

Hazardous Waste Minimization and Management Division
Office of Solid Waste
U.S. Environmental Protection Agency

Contact Information:

Bill Kline, Senior Data Analyst
Analysis & Information Branch
(540) 341-3631
kline.bill@epa.gov

Tammie Owen, Data Analyst
Analysis & Information Branch
(703) 308-4044
owen.tammie@epa.gov

Ben Lesser, Chief
Analysis & Information Branch
(703) 308-0314
lesser.ben@epa.gov

Table of Contents

Section 1 – Overview of the National PC Trends Report (2000-2004)	1-1
INTRODUCTION.....	1-1
WHAT DOES THIS REPORT COVER AND HOW IS IT ORGANIZED?	1-2
WHAT IS THE SOURCE OF THE DATA USED IN THIS REPORT?	1-3
WHAT MEASUREMENT METHODOLOGY WAS USED FOR THIS REPORT?	1-4
HOW DOES EPA ENSURE THE QUALITY OF THE DATA USED IN THIS REPORT?	1-4
WHAT MIGHT CHANGE IN FUTURE UPDATES OF THIS REPORT.....	1-5
Section 2 – Progress Made Toward OSW’s GPRA Goals for Priority Chemicals	2-1
OSW’S GOALS TO REDUCE PCs IN WASTES.....	2-1
THE OSW 2008 GPRA GOAL	2-1
THE NEW 2011 GPRA GOAL FOR REDUCING PRIORITY CHEMICALS.....	2-6
COMMITMENTS AND PROGRESS TO REDUCE PRIORITY CHEMICALS UNDER THE NATIONAL PARTNERSHIP FOR ENVIRONMENTAL PRIORITIES (NPEP)	2-6
Section 3 – Overall Trends Analyses for Priority Chemicals (2000-2004)	3-1
NATIONAL TRENDS FOR PRIORITY CHEMICALS.....	3-1
REGIONAL TRENDS FOR PRIORITY CHEMICALS	3-15
STATE AND TERRITORY TRENDS FOR THE PRIORITY CHEMICALS	3-21
INDUSTRY SECTOR TRENDS FOR PRIORITY CHEMICALS.....	3-30
Section 4: Chemical Specific Trends Analyses for Priority Chemicals (2000–2004)	4-1
1,2,4 – TRICHLOROBENZENE (1,2,4–TCB).....	4-3
2,4,5 – TRICHLOROPHENOL (2,4,5–TCP)	4-13
ANTHRACENE.....	4-16
BENZO(G,H,I)PERYLENE (B(g,h,i)P)	4-26
CADMIUM AND CADMIUM COMPOUNDS (CADMIUM).....	4-35
DIBENZOFURAN.....	4-47
DIOXIN AND DIOXIN-LIKE COMPOUNDS (DIOXIN)	4-56
HEPTACHLOR	4-66
HEXACHLORO-1,3-BUTADIENE (HCBD).....	4-73
HEXACHLOROBENZENE (HCB)	4-79
HEXACHLOROETHANE (HCE)	4-87
LEAD AND LEAD COMPOUNDS (LEAD)	4-97
LINDANE.....	4-109
MERCURY AND MERCURY COMPOUNDS (MERCURY)	4-112
METHOXYCHLOR.....	4-125
NAPHTHALENE	4-129
POLYCYCLIC AROMATIC COMPOUNDS (PACs)	4-139
POLYCHLORINATED BIPHENYLS (PCBs)	4-148
PENDIMETHALIN.....	4-155
PENTACHLOROBENZENE	4-163
PENTACHLOROPHENOL	4-170
PHENANTHRENE	4-178

QUINTOZENE	4-184
TRIFLURALIN.....	4-189
1,2,4,5-TETRACHLOROBENZENE.....	4-194
4-BROMOPHENYL PHENYL ETHER	4-194
ACENAPHTHENE	4-195
ACENAPHTHYLENE.....	4-195
ENDOSULFAN, BETA-/ENDOSULFAN, ALPHA	4-195
FLUORENE	4-195
PYRENE	4-196

Section 5 – Trends for the Priority Chemicals at Federal Facilities (2000-2004) 5-1

HOW DO FEDERAL FACILITIES' PRIORITY CHEMICALS ADDRESSED IN THIS REPORT RELATE TO THE EXECUTIVE ORDER ON PRIORITY CHEMICALS?.....	5-1
SUMMARY ANALYSIS– PRIORITY CHEMICALS AT FEDERAL FACILITIES FOR 2004.....	5-1
GENERATION OF PRIORITY CHEMICALS BY FEDERAL FACILITIES (2000–2004)	5-2
MANAGEMENT OF PRIMARY CHEMICALS BY FEDERAL AGENCIES (2000–2004)	5-14

Section 6 – Trends Analyses for Specific Industry Sectors 6-1

FUTURE SECTOR ANALYSES	6-1
INDUSTRY SECTOR INFORMATION FOR SIC 3312 (BLAST FURNACES AND STEEL MILLS)	6-2
FACILITIES IN SIC 3312 GENERATING PRIORITY CHEMICALS	6-5
MANAGEMENT OF PRIORITY CHEMICALS BY FACILITIES IN SIC 3312	6-9

Trends Report – Appendices

APPENDIX A - LIST OF STATES (INCLUDING TERRITORIES) WITHIN EACH EPA REGION	A-1
APPENDIX B - SIC CODES VS. NAICS CODES.....	B-1
APPENDIX C - METHODOLOGY FOR CALCULATING QUANTITIES OF PRIORITY CHEMICALS AND MEASURING TRENDS.....	C-1
APPENDIX D – LIST OF EXHIBITS.....	D-1
APPENDIX E – CUSTOMER SURVEY	E-1
APPENDIX F – CONTACT INFORMATION.....	F-1